

FIG. 1
PRIOR ART

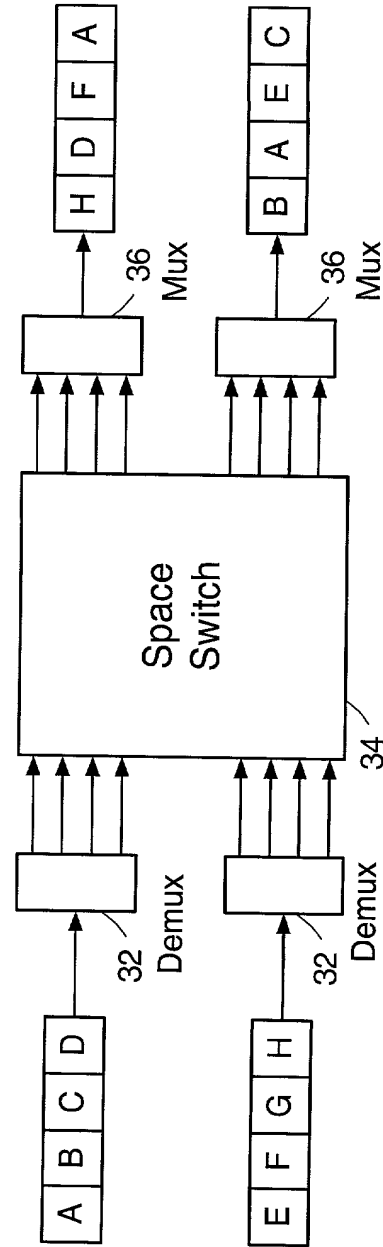
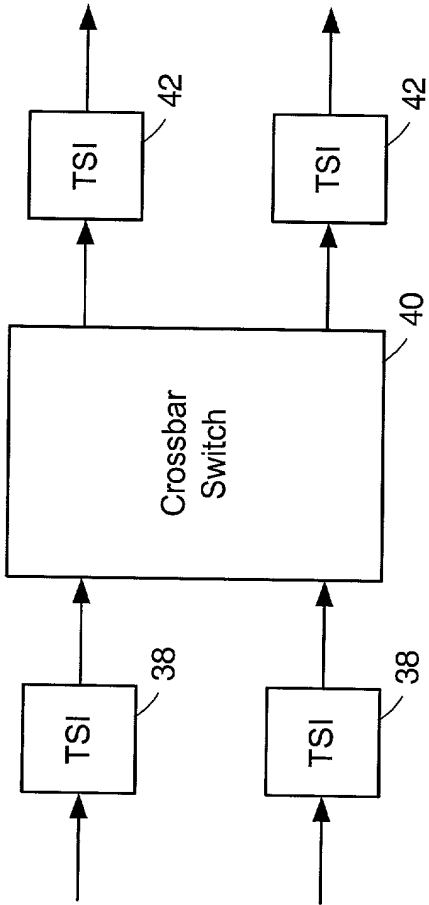
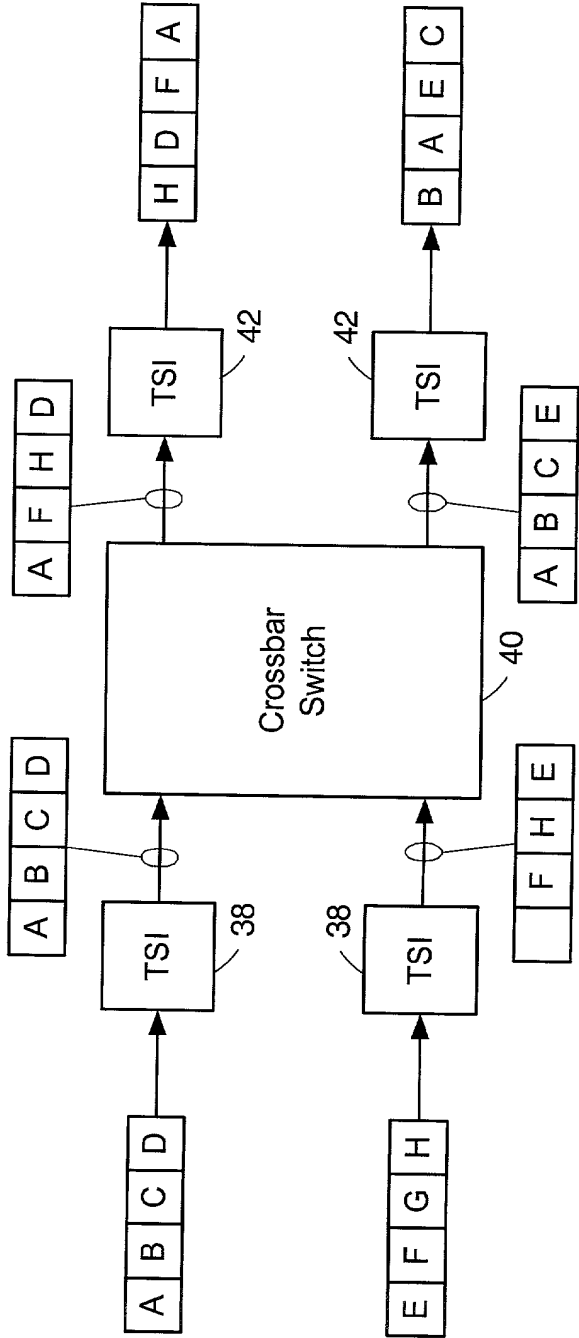


FIG. 2
PRIOR ART



PRIOR ART



PRIOR ART

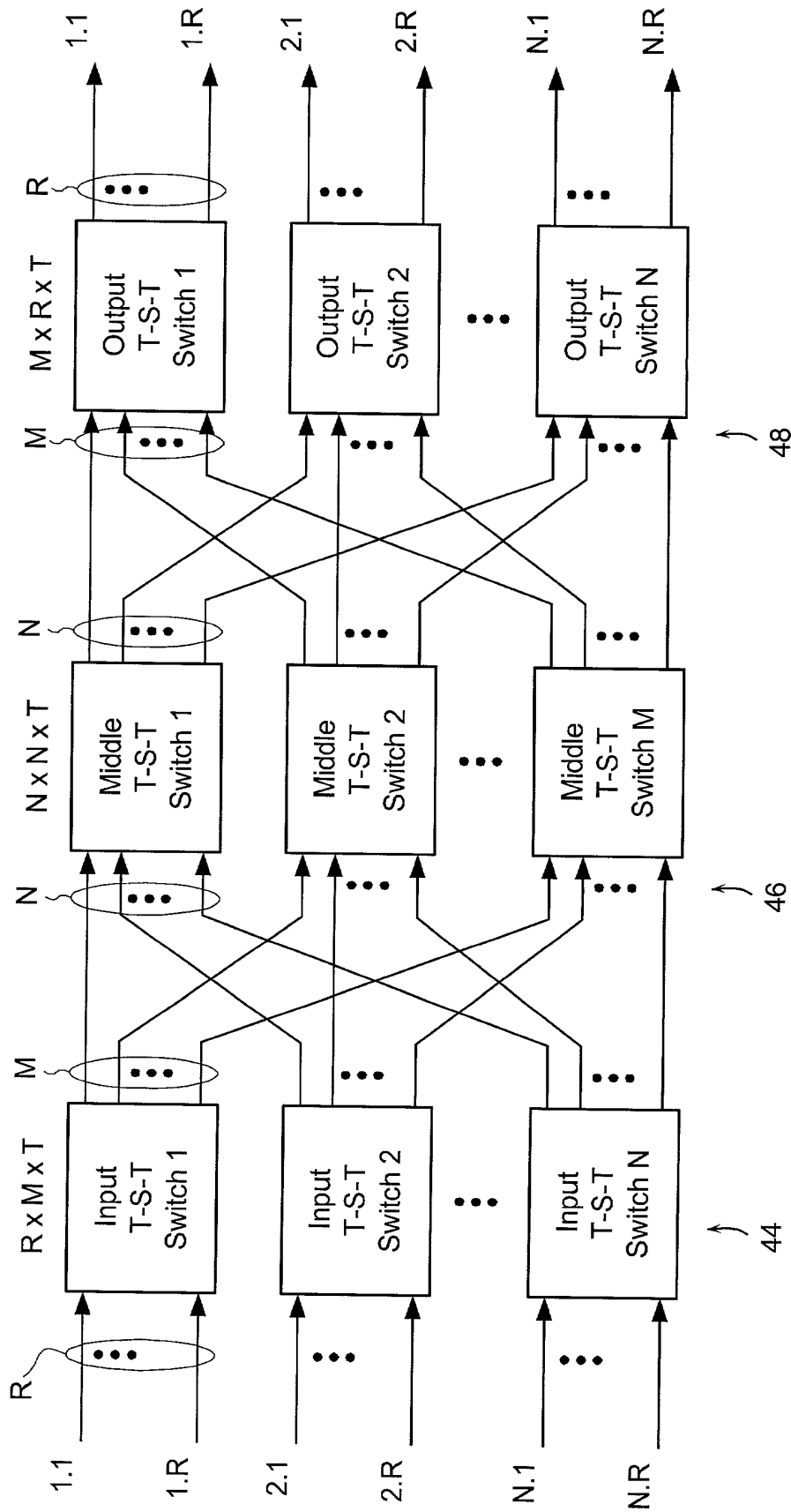


FIG. 5

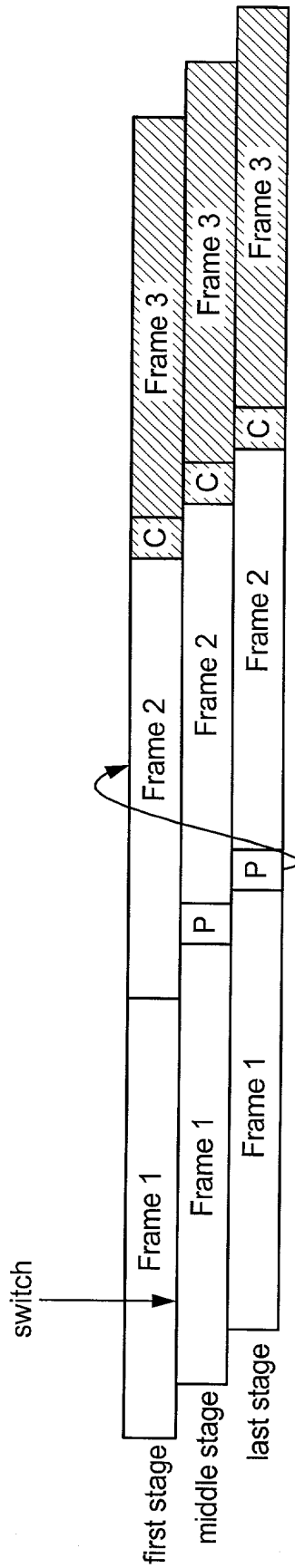


FIG. 6

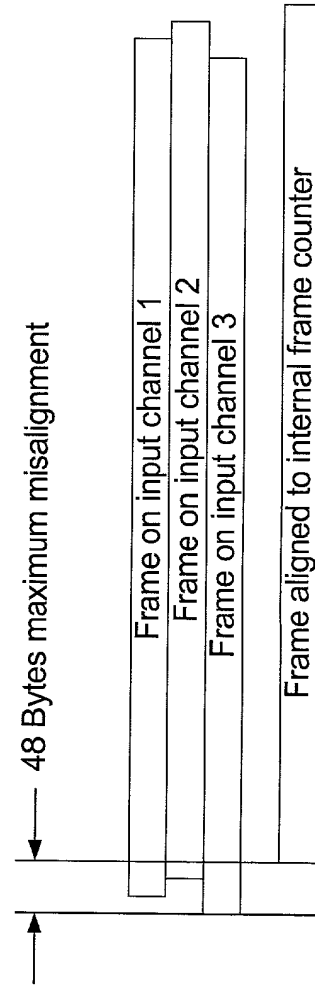


FIG. 13

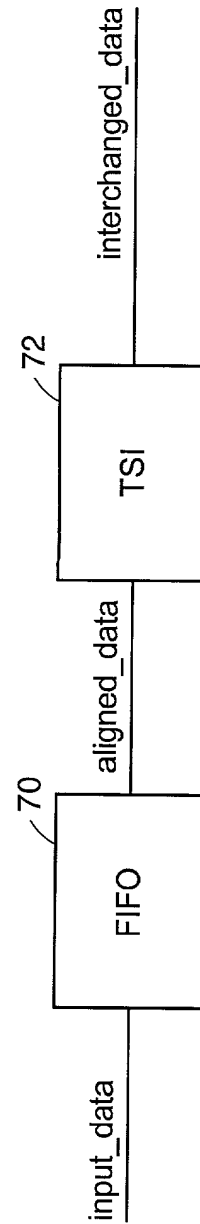


FIG. 14
 PRIOR ART

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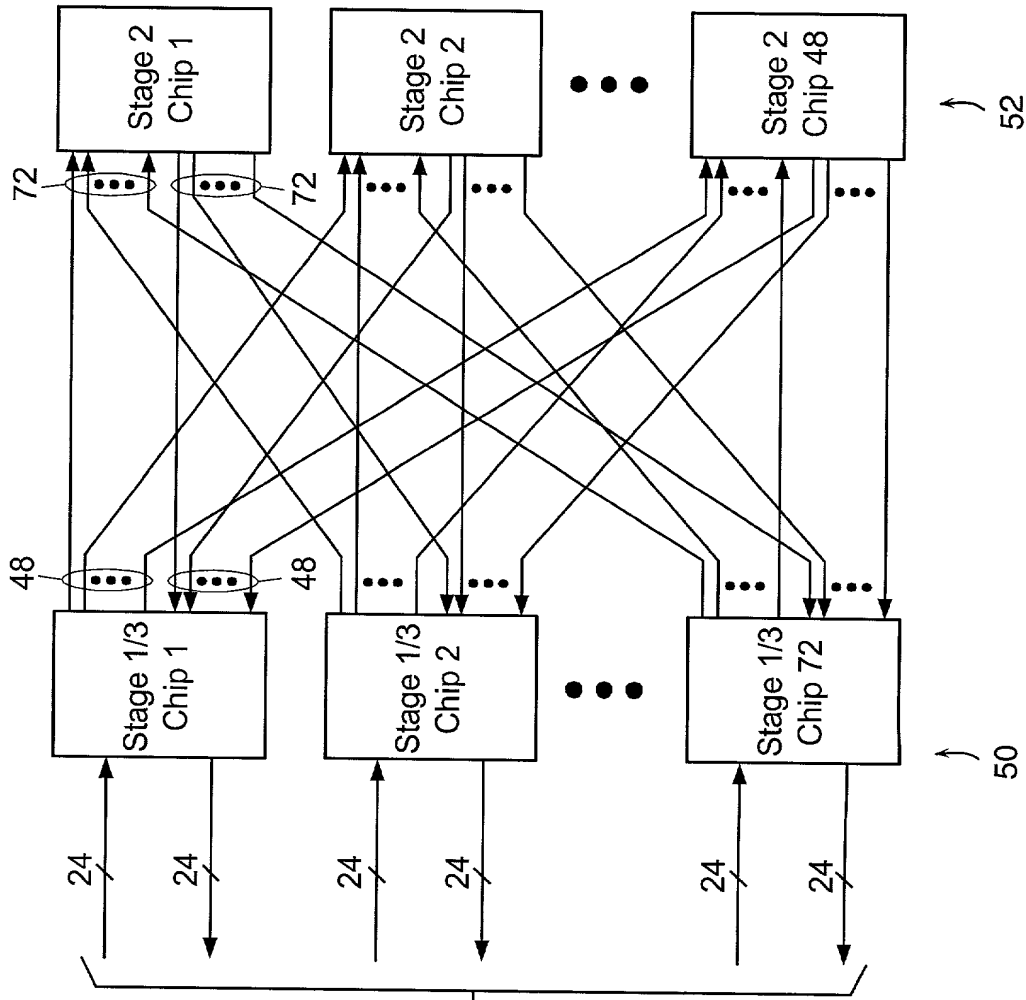


FIG. 7

1,728 STS-48 Input Ports
 1,728 STS-48 Output Ports
 82,944 x 82,944 STS-1 Cross Connect

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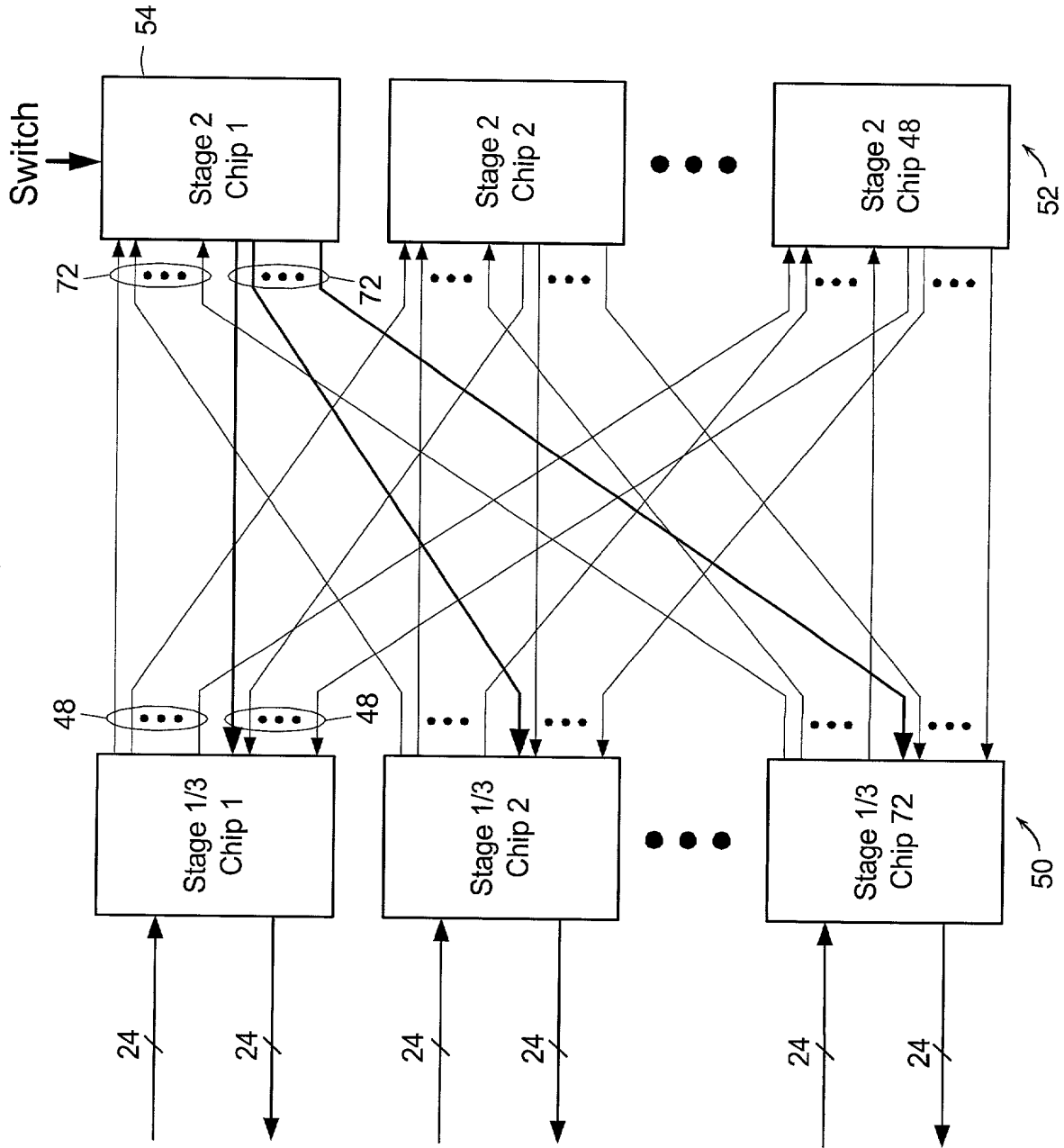


FIG. 8

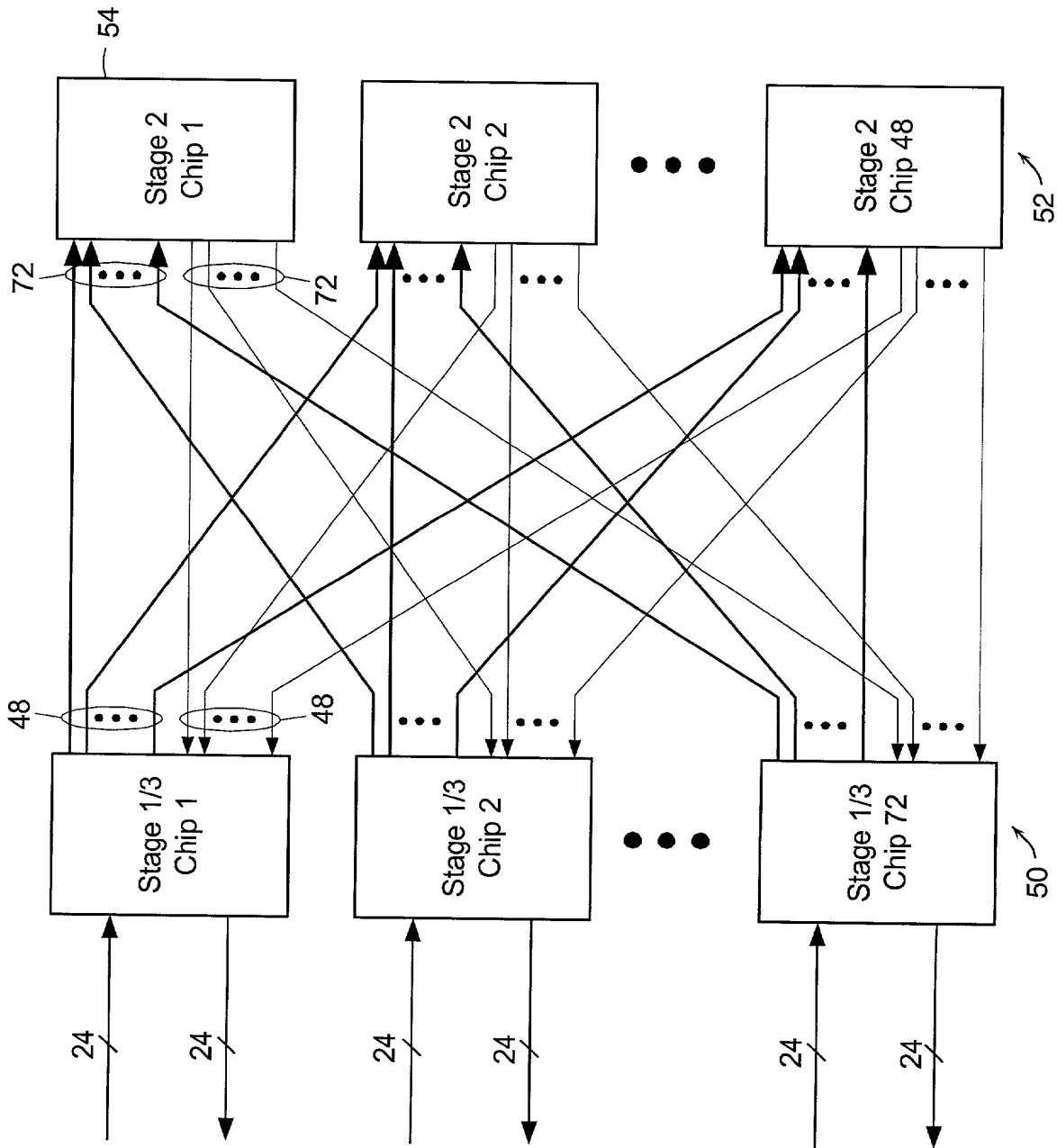


FIG. 9

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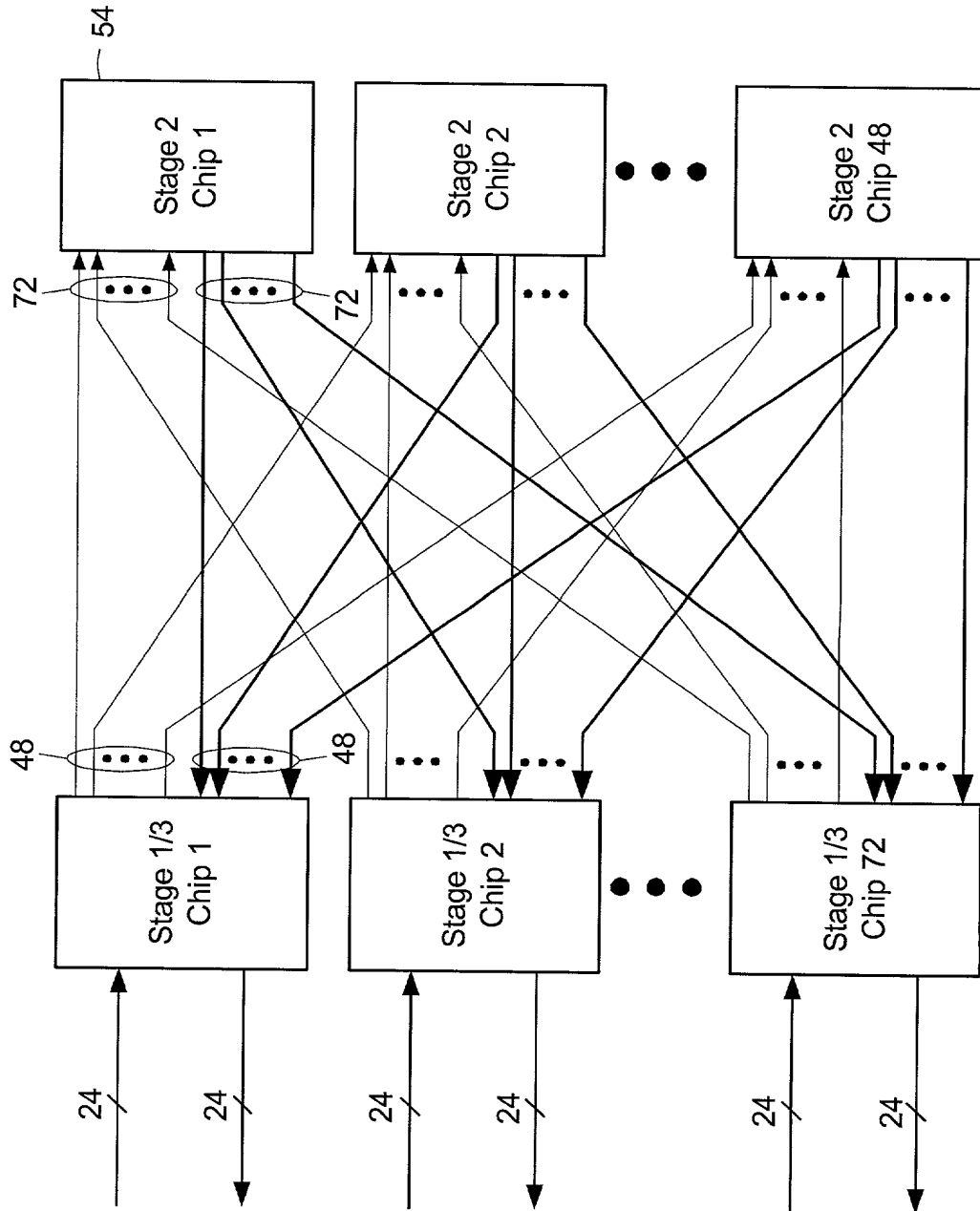


FIG. 10

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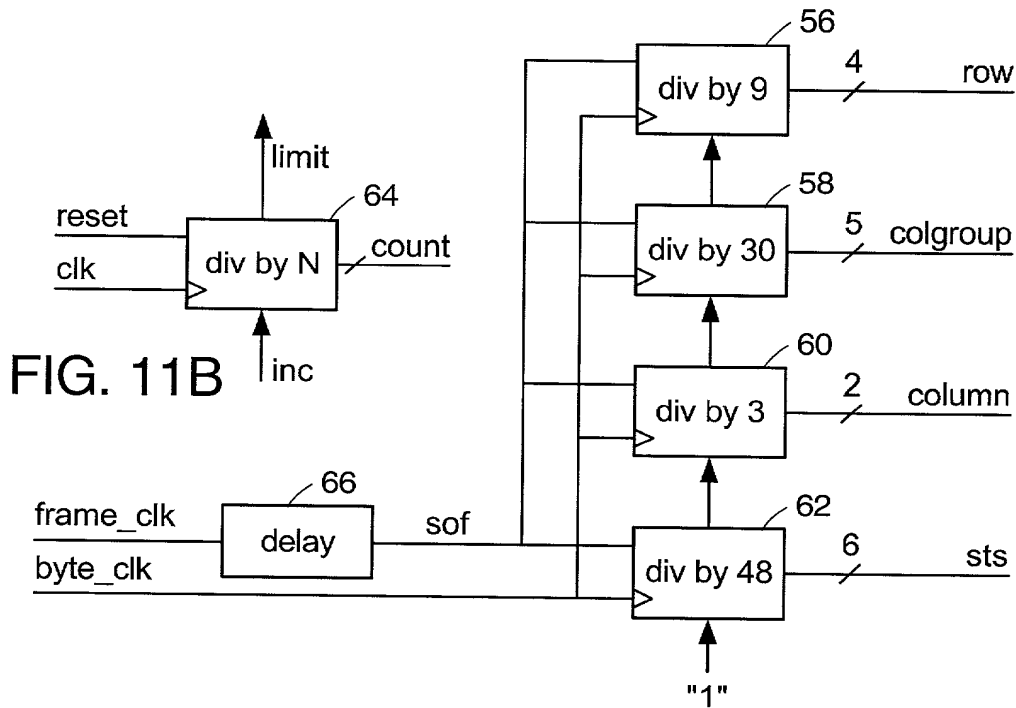


FIG. 11A

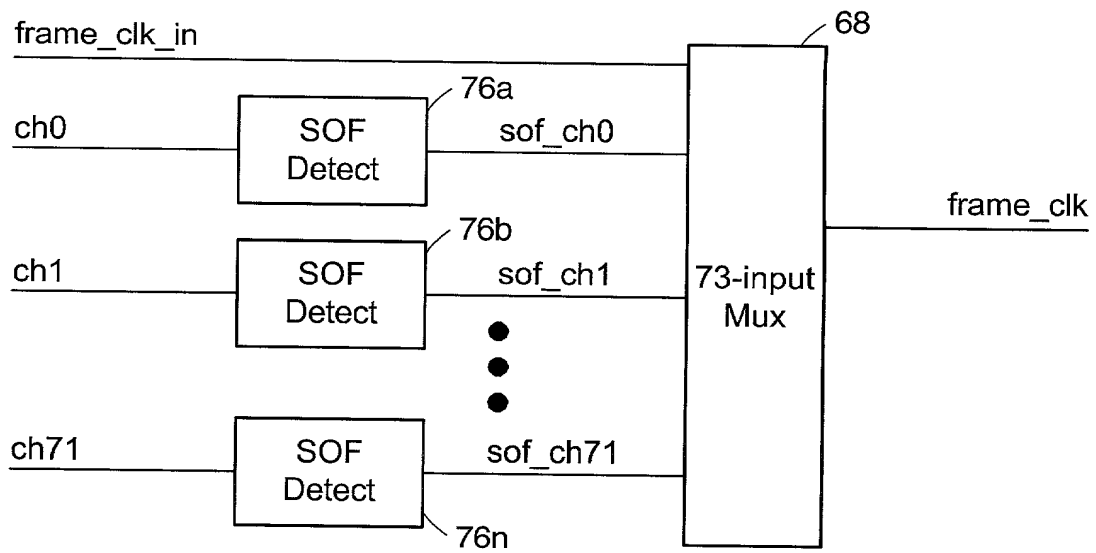


FIG. 12

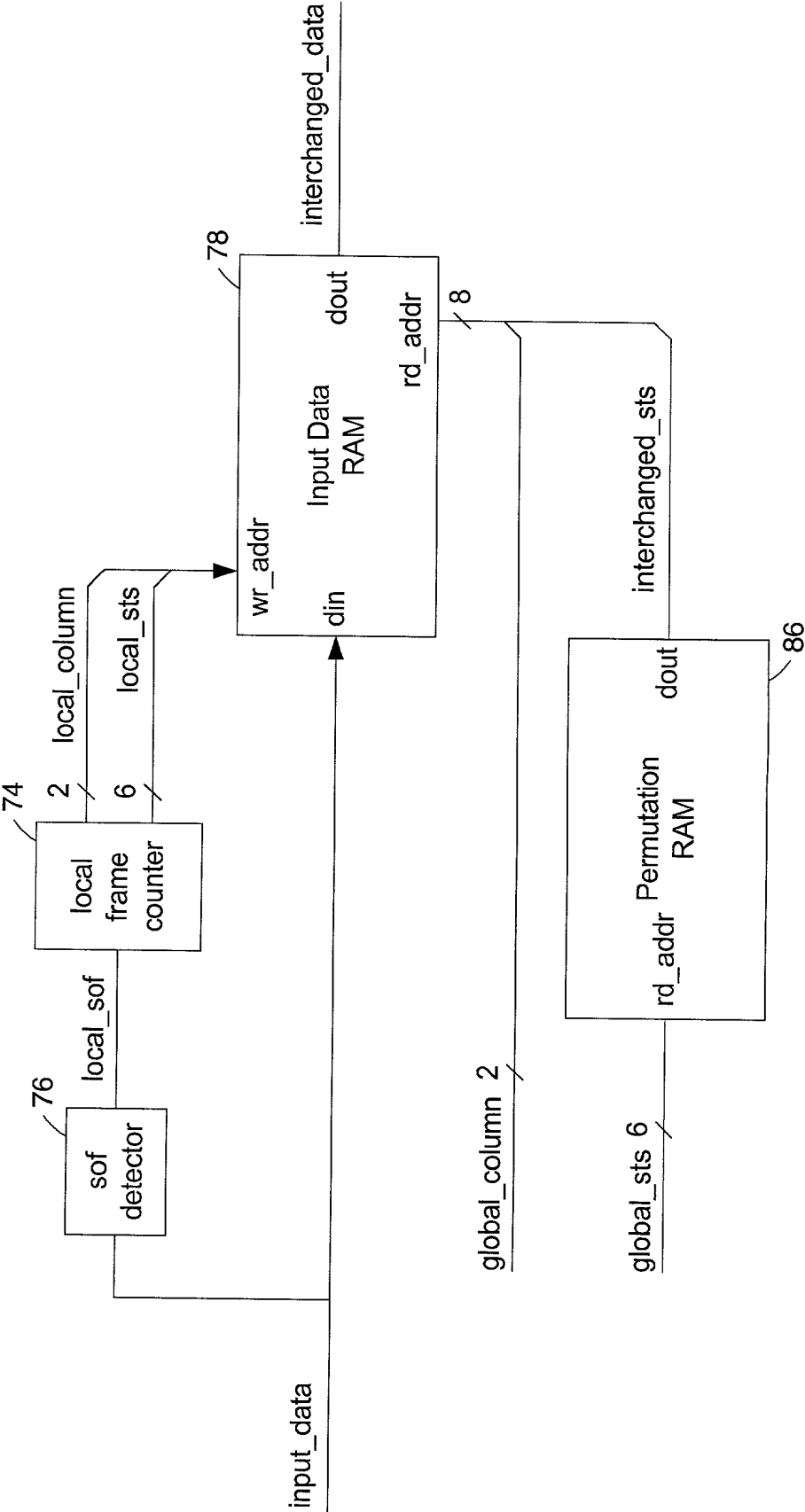


FIG. 15

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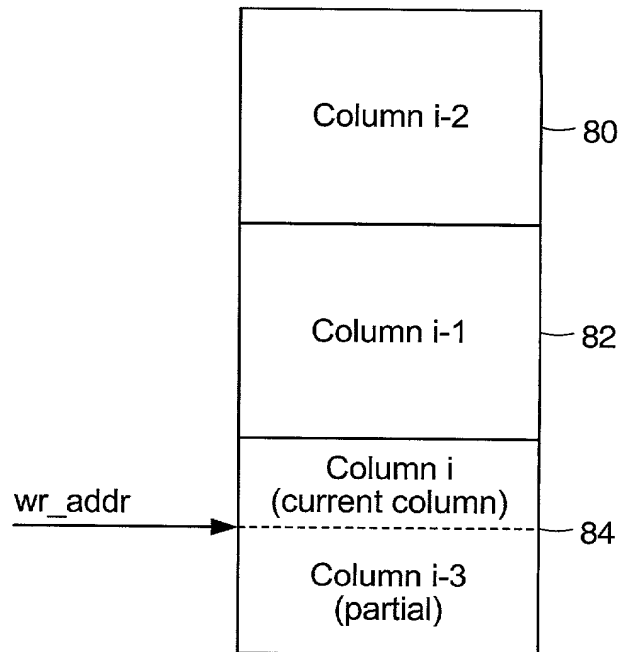


FIG. 16

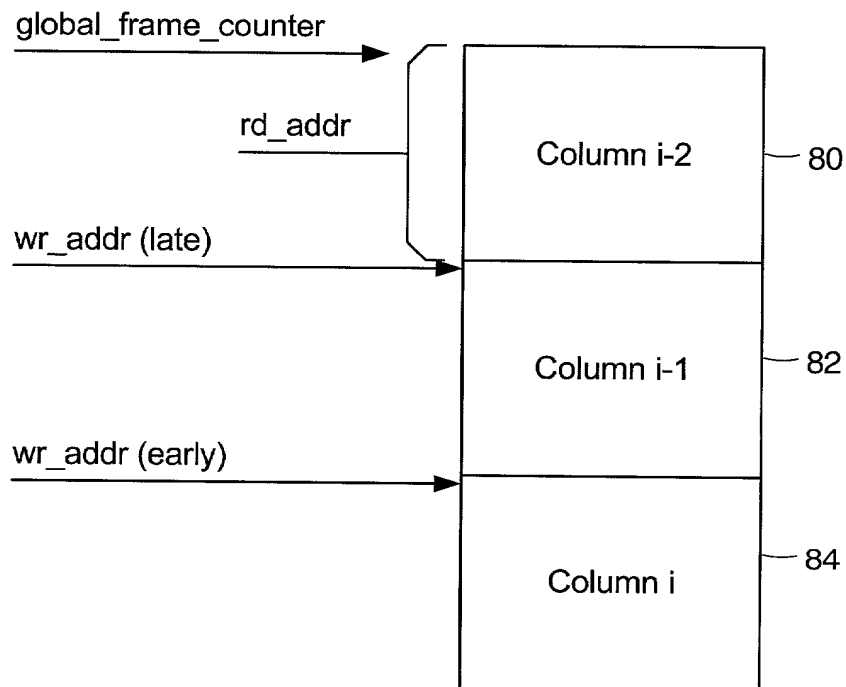


FIG. 17

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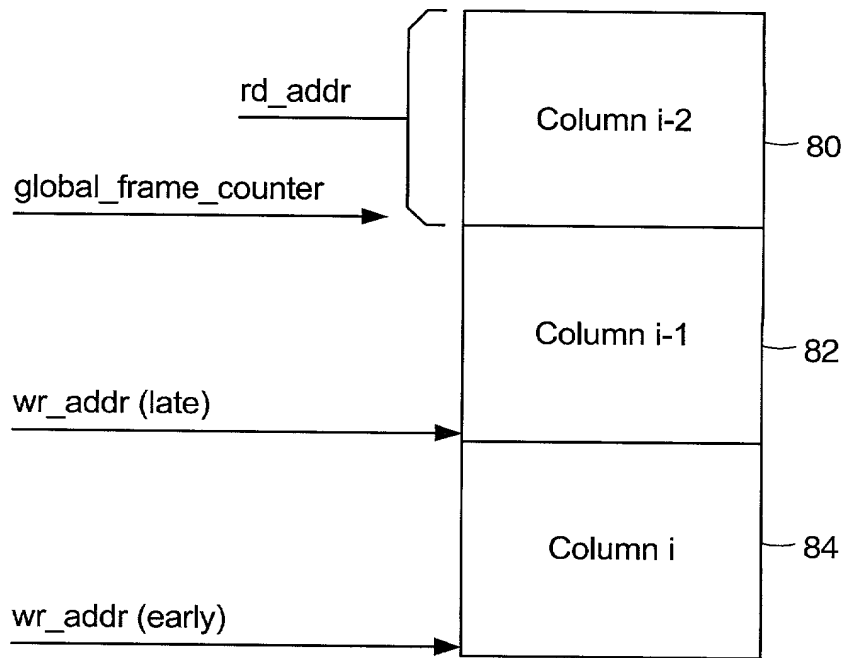


FIG. 18

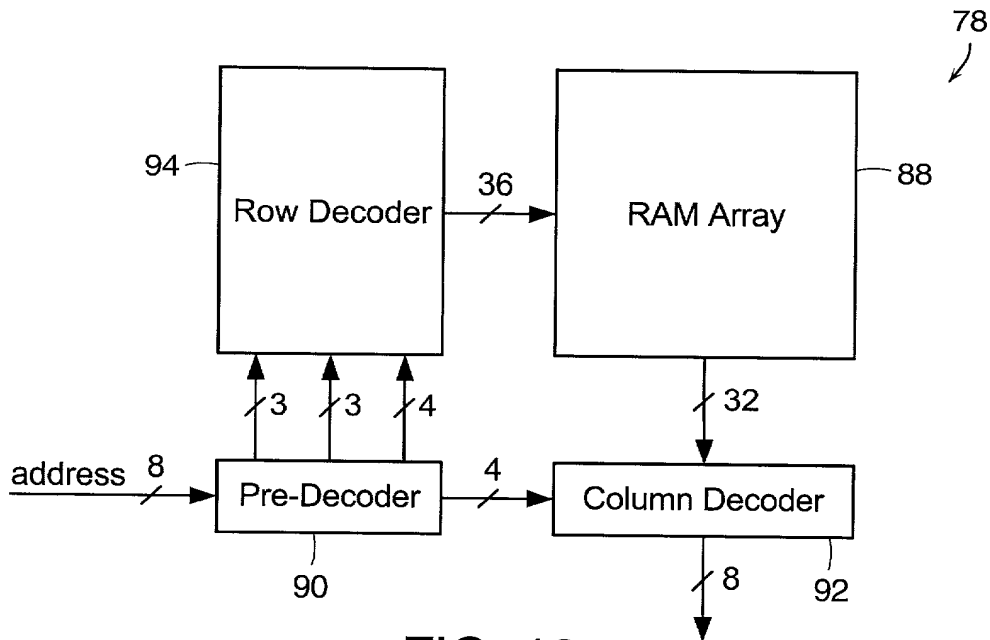


FIG. 19

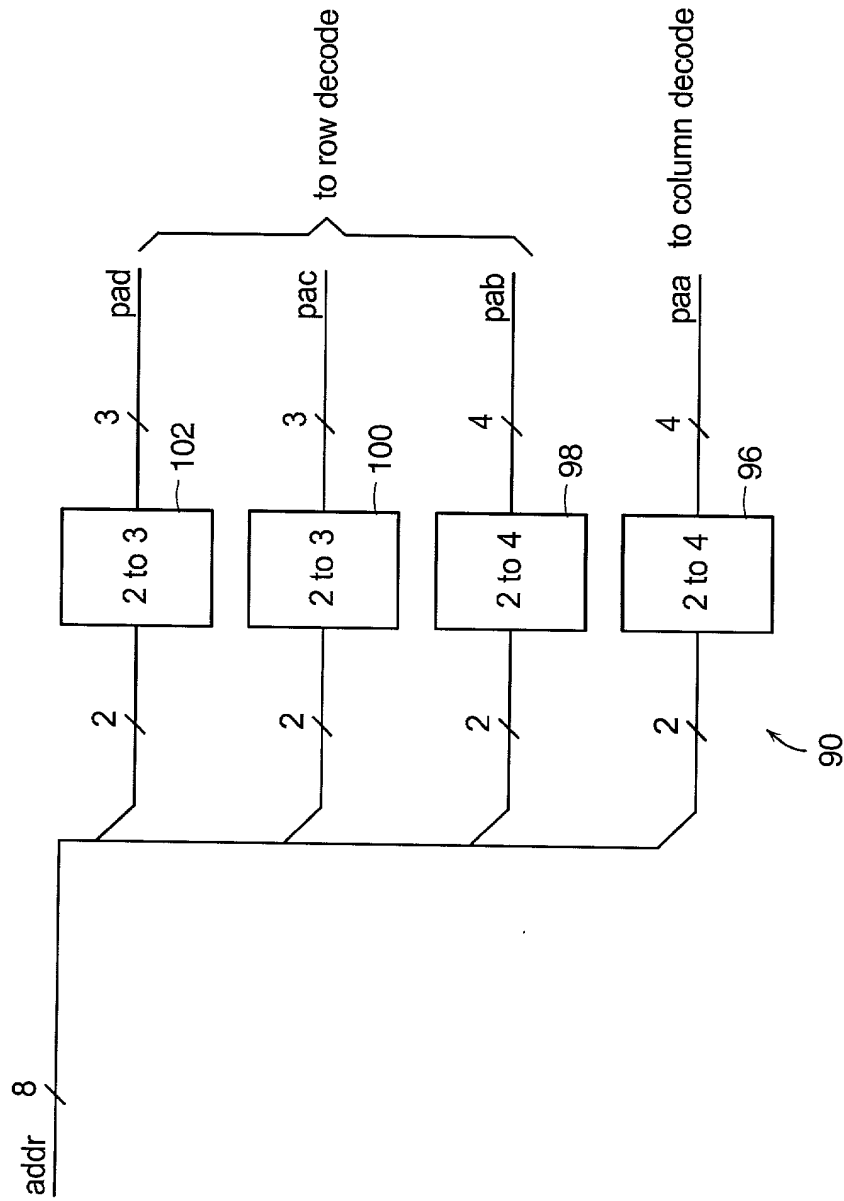
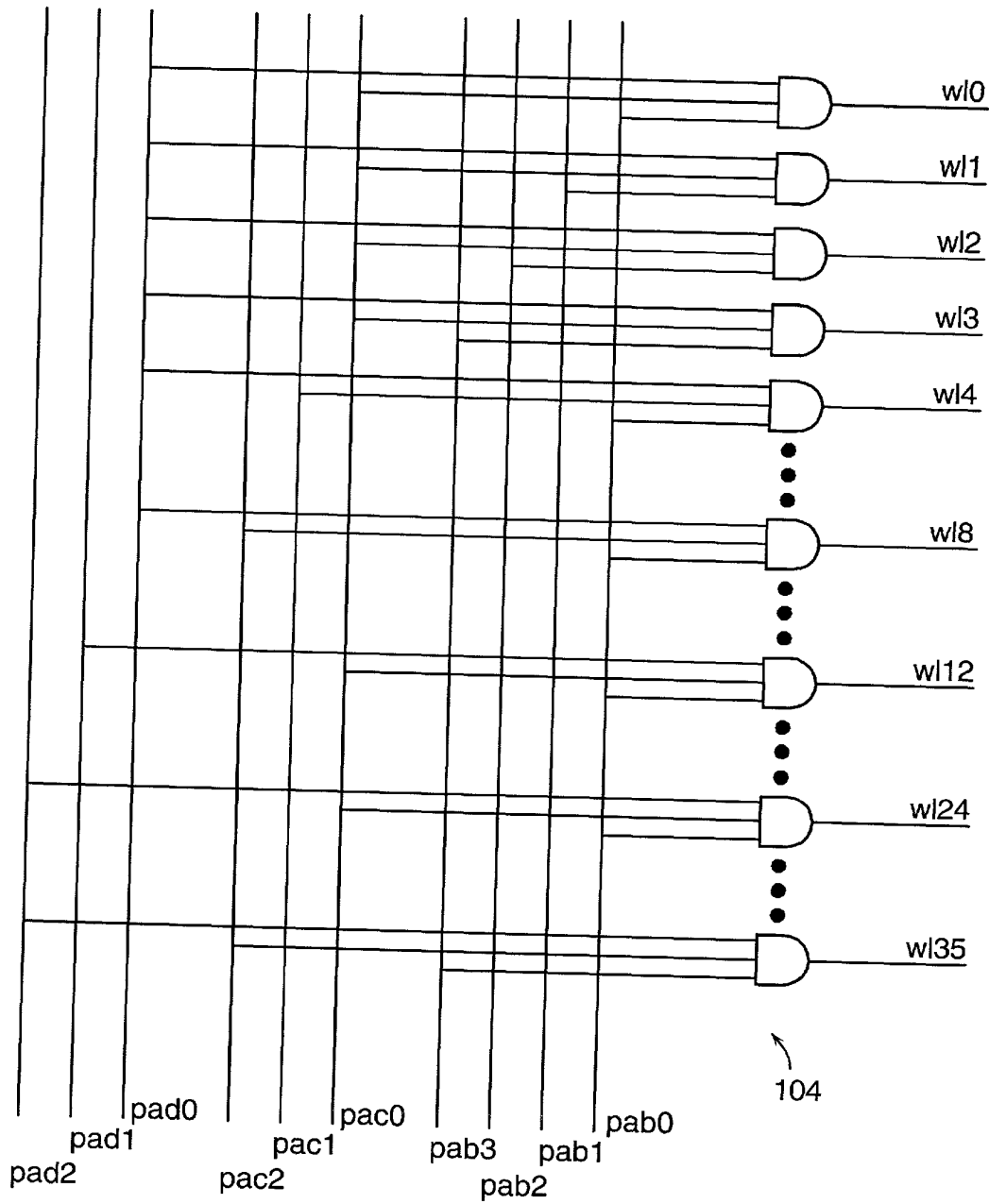


FIG. 20

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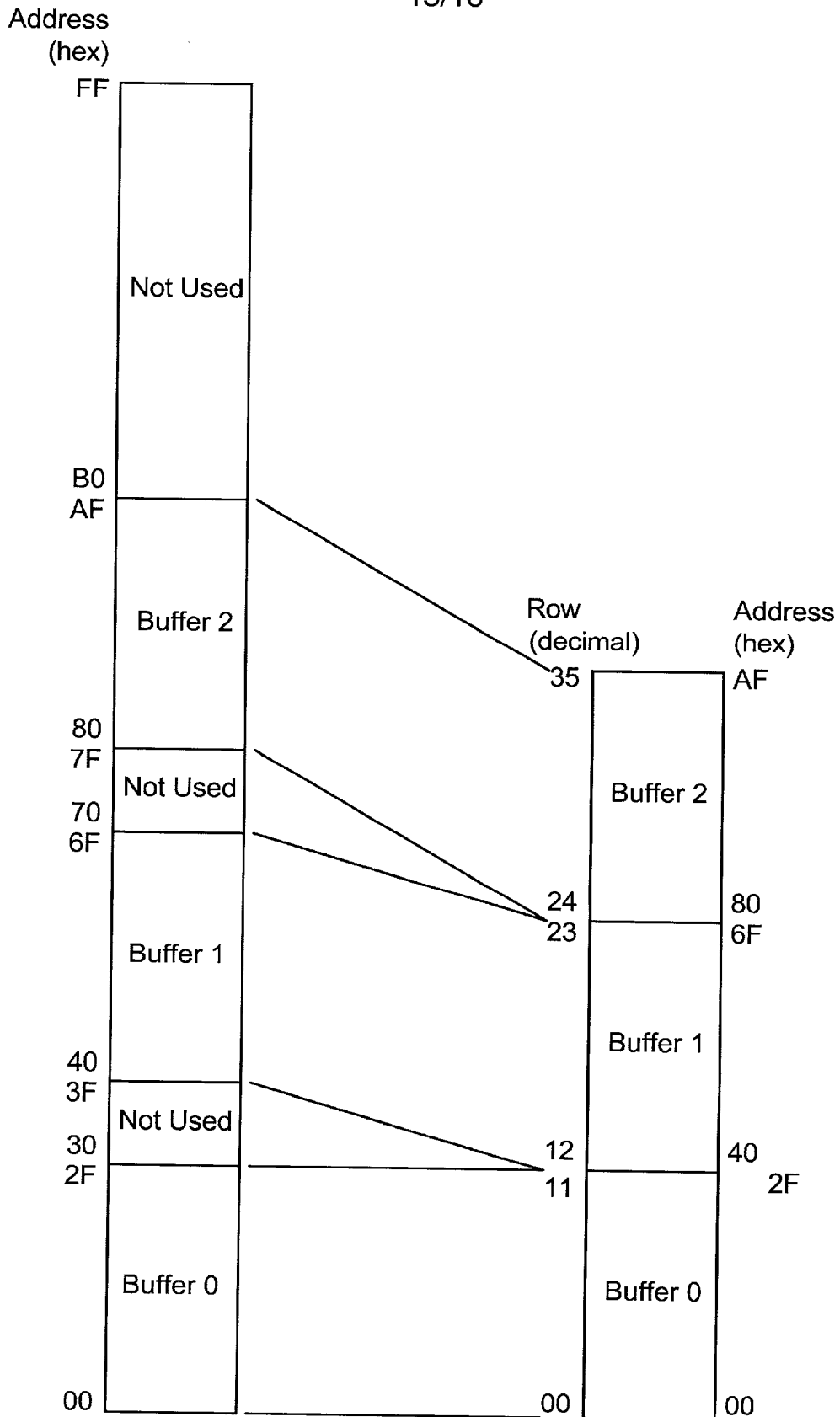


FIG. 22

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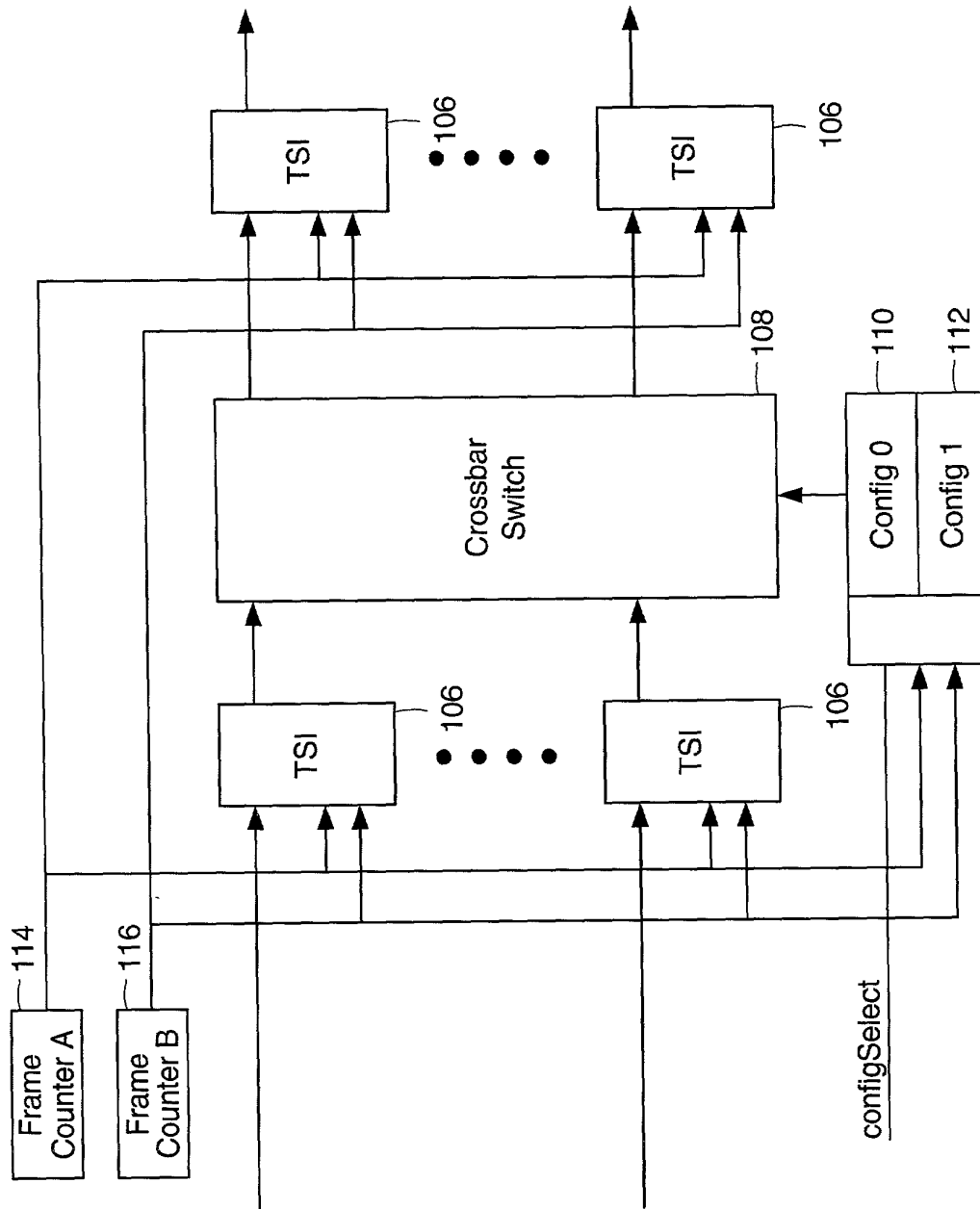


FIG. 23